

Claims:

1. (Currently amended) A golf club head comprising:

a recess having a polymer insert, said polymer insert being transparent, having a glossy and lustrous surface, and being composed of a thermoplastic transparent polymer material in a thickness of 2 to 25 mm, said recess being formed in the striking plate of a putter head, the backside of an iron head or the crown of a wood head;

wherein said recess having a course surface;

wherein said polymer insert is made by melting said thermoplastic transparent polymer material into a polymer fluid and pouring said polymer fluid into said recess;  
and

wherein said thermoplastic transparent polymer material is selected from the group consisting of polymethacrylate, polyacrylate, polycarbonate, polyethylene terephthalate, transparent polypropylene, transparent polyethylene, transparent polyvinyl chloride, transparent nylon, thermoplastic polyurethane, polymethyl methacrylate, and the mixtures thereof.

2. (Original) The golf club head according to claim 1 wherein said polymer insert has a pattern or logo under said polymer insert or inside said polymer insert.

3. (Currently amended) The golf club head according claim 1 wherein said thermoplastic transparent polymer material is selected from the group consisting of

polymethacrylate, polyacrylate, polyethylene terephthalate, thermoplastic polyurethane, polymethyl methacrylate, and the mixtures thereof.

4. (Original) The golf club head according claim 1 wherein said thermoplastic transparent polymer material is polymethyl methacrylate.

5. (Previously amended) The golf club head according to claim 1 wherein said golf club head is a putter head and said polymer insert is in a thickness of 2 to 12 mm.

6. (Previously amended) The golf club head according to claim 1 wherein said golf club head is an iron head and said polymer insert is in a thickness of 4 to 22 mm.

7. (Previously amended) The golf club head according to claim 1 wherein said golf club head is a wood head and said polymer insert is in a thickness of 10 to 25 mm.

8-13. (canceled)

14. (Currently amended) The golf club head according to claim 1 wherein said polymer insert is further made by a process comprising the steps of:

~~melting said thermoplastic transparent polymer into a polymer liquid,~~

~~pouring said polymer liquid onto a coarse area of said recess,~~

drying and hardening said polymer liquid, and

abrading and polishing the dried polymer.

15. (Previously amended) The golf club head according to claim 14 wherein the drying step is carried out in a vacuum state.

16. (Currently amended) The golf club head according to claim 14 wherein a solvent is applied to said recess to make the coarse surface of said recess ~~during the abrading step.~~

17. (Previously amended) The golf club head according to claim 14 wherein a solvent with a pressure is applied during the polishing step.